

**AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

---

1. (Currently Amended) A system for controlling the operation of equipment, said operation of said equipment being adjustable via at least one parameter setting, comprising:

an analyzer module in communications with said equipment, said analyzer module monitoring said operation of said equipment and generating an operations analysis;

PS a control host, said control host receiving said operations analysis and determining therefrom whether said equipment is operating efficiently, said control host being in communications with said equipment for adjusting said at least one parameter setting;

wherein when said control host determines that said equipment is not operating efficiently, said control host adjusts said at least one parameter setting until said equipment is operating efficiently; and


an access device in communication with said control host, said access device checking said operations analysis and said adjustment of said at least one parameter, and overriding said control host to provide corrective parameter settings for said equipment when a control loop mechanism provided by said system is drifting.

2. (Original) The system of claim 1, wherein said analyzer module monitors said operation of said equipment continuously.

3. (Original) The system of claim 1, wherein said control host is in remote communications with said analyzer module.

4. (Original) The system of claim 3, wherein said remote communications is via the Internet.

5. (Original) The system of claim 1, wherein said control host determines whether said equipment is operating efficiently based on predetermined operation specifications for said equipment.

 6. (Original) The system of claim 1, wherein said control host adjusts said at least one parameter setting based on a predetermined set of operational parameters for said equipment.

7. (Original) The system of claim 6, wherein said control host maintains a log of previous settings of said at least one parameter and said control host adjusts said at least one parameter setting based on said log of previous settings.

8. (Original) The system of claim 1, wherein said control host is in remote communications with said equipment for adjusting said at least one parameter setting.

9. (Original) The system of claim 8, wherein said remote communications is via the Internet.

10. (Original) The system of claim 1, wherein said equipment is electroplating equipment generating a plating rate, said operation analysis includes an analysis of said plating rate and wherein said at least one parameter setting is selected from the group of replenishment flow rate(s) and agitation rate.

11. (Currently Amended) A method for controlling the operation of equipment, said operation of said equipment being adjustable via at least one parameter setting, comprising the steps of:

monitoring said operation of said equipment;  
generating an operations analysis of said equipment;  
determining whether said equipment is operating efficiently based on said operations analysis; ~~and~~  
adjusting said at least one parameter setting until said equipment is operating efficiently; and  
checking said operations analysis and said adjustment of said at least one parameter, and overriding said adjustment and providing corrective parameter settings for said equipment when a control loop mechanism of said equipment is drifting.

12. (Original) The method of claim 11, wherein the step of monitoring said operation of said equipment includes the step of:

monitoring said operation of said equipment continuously.

13. (Original) The method of claim 11, further comprising the step of:  
remotely receiving said operations analysis.

14. (Original) The method of claim 11, wherein the step of determining whether said equipment is operating efficiently includes the step of:

determining whether said equipment is operating efficiently based on predetermined operation specifications for said equipment.

15. (Original) The method of claim 11, wherein the step of adjusting said at least one parameter setting includes the steps of:

adjusting said at least one parameter setting based on a predetermined set of operational parameters for said equipment.

16. (Original) The method of claim 15, further comprising the steps of:  
maintaining a log of previous settings of said at least one parameter setting; and  
wherein the step of adjusting said at least one parameter setting includes the step of:  
adjusting said at least one parameter setting based on said log of previous settings.

17. (Original) The method of claim 11, wherein the step of adjusting said  
at least one parameter setting includes the step of:  
remotely adjusting said at least one parameter setting.

21  
18. (Currently Amended) The method of claim ~~1~~11, wherein when said  
equipment is electroplating equipment generating a plating rate, the step of generating  
said an operations analysis of said equipment includes:  
generating an said operations analysis of said plating rate; and ~~wherein said at~~  
~~least one parameter setting is selected~~  
selecting said at least one parameter from the group of replenishment flow rate  
and agitation rate.

---